

Claims

I claim:

1. A toilet bowl for venting odious air therefrom, the toilet bowl comprising:
 - a discharge outlet connected to a sewer line,
 - a chamber,
 - an exhaust hose having a first end, and a second end opposite the first end, wherein the second end of the exhaust hose is sealingly attached to an opening in the chamber, the opening in communication with the discharge outlet,
 - a housing having a first end releasably coupled to the first end of the exhaust hose,
 - a gate attached to a frame, said frame fitted within the housing,
 - an exhaust fan positioned adjacent to the gate,
 - a surface end disposed between the exhaust fan and the gate,
 - wherein the second end of the housing is sealingly attached to a vent opening, said vent opening defined within a rim portion of the toilet bowl,
 - control means for actuating the exhaust fan,
 - a pressure sensor positioned on an upper surface of the rim portion of the toilet bowl,

wherein the exhaust fan when activated produces an air flow, said air flow urging the gate to an open position.
2. The toilet bowl as recited in Claim 1, further comprising an access opening disposed on the outer surface of the toilet bowl to allow access to the chamber.
3. The toilet bowl as recited in Claim 1, wherein the vent opening extends upward from a lower surface of the rim portion.
4. The toilet bowl as recited in Claim 1, wherein the exhaust fan is disposed between the second end of the housing and the gate.
5. The toilet bowl as recited in Claim 3, wherein the vent opening is in communication with the odious air.

6. The toilet bowl as recited in Claim 1, wherein the gate is hinged to the frame.
7. The toilet bowl as recited in Claim 1, wherein the surface end comprising a surface disposed along the perimeter of the surface end, said surface having a magnetic field produced by an electric current.
8. The toilet bowl as recited in Claim 7, wherein the magnetic force applied to the surface pulls the gate to a closed position forming an airtight seal between the gate and the surface end.
9. The toilet bowl as recited in Claim 1, wherein the gate is constructed of a soft metal material.
10. The toilet bowl as recited in Claim 1, wherein the gate is constructed of a mild steel material.
11. A toilet bowl for venting odious air therefrom, the toilet bowl comprising:
 - a discharge outlet connected to a sewer line,
 - a chamber having a first end in communication with the discharge outlet and a second end in communication with a vent opening, said vent opening defined within a rim portion of the toilet bowl,
 - a gate disposed within the chamber, said gate having an open position and a closed position,
 - an exhaust fan positioned within the chamber,
 - control means for actuating the exhaust fan,
 - a sensor means,

wherein the exhaust fan when activated produces an air flow, said air flow urging the gate to the open position, wherein the gate in the open position directs the flow of air from the toilet bowl towards the sewer line.
12. The toilet bowl as recited in Claim 11, further comprising an access opening disposed on the outer surface of the toilet bowl to allow access to the chamber.
13. The toilet bowl as recited in Claim 11, wherein the vent opening extends upward from a lower surface of the rim portion.
14. The toilet bowl as recited in Claim 13, wherein the vent opening is in communication with the odious air.

15. The toilet bowl as recited in Claim 11, wherein the sensor means is a pressure sensor.
16. The toilet bowl as recited in Claim 15, wherein the pressure sensor is positioned on an upper surface of the rim portion of the toilet bowl.
17. The toilet bowl as recited in Claim 12, further comprising a surface, said surface having a magnetic field produced by an electric current, wherein the surface is disposed between the gate and the fan.
18. The toilet bowl as recited in Claim 17, wherein the magnetic force applied to the surface pulls the gate to a closed position forming an airtight seal between the gate and the surface end.
19. The toilet bowl as recited in Claim 11, wherein the gate is constructed of a soft metal material.
20. The toilet bowl as recited in Claim 11, wherein the gate is constructed of a mild steel material.